

METHOD AND SYSTEM FOR CALIBRATION OF A MARKER

LOCALIZATION SENSING ARRAY

ABSTRACT OF THE DISCLOSURE

A method and system for calibrating a sensing array used in marker localization.

The sensing array is for sensing a signal produced by a marker implanted in an object, such as a human body. The signal generated by the marker is a magnetic field. The sensing array has a plurality of sensing coils and associated amplification circuitry. The method comprises applying an excitation to each of the sensing elements and analyzing the output of the plurality of sensing elements resulting from the excitation. A correction matrix based upon the analyzed outputs of the plurality of sensing elements is determined.